Requirements Document

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PBS Data Integration & Repository Management (PDIRM) – Lease Common Object

Delivery Date

The completion of this work is needed as soon as possible and no later than 3 months from award.

Background

PB-ITS intends to create the Real Estate Tax Process (RET) integrating current solutions and Salesforce. Development of RET will facilitate real estate tax submission tracking, processing and payment calculation across our leased portfolio. This will result in more efficient and accurate processing of these payments with benefits of increased accuracy and timeliness of tax processing. Reduced costs associated with incorrect processing. Reduced effort associated with timely processing.

In order to use REXUS and G2 data, a new Lease Common Object must be created for Salesforce consumption.

- The orchestration will pull all the REXUS lease data from BI Staging in a structured fashion that Salesforce can consume via a Lease Common Object.
- The REXUS lease data will be available to RET and to other Salesforce applications on the workspace org.
- The BI/CastIron aligns with existing IT architecture for moving on-premise data (REXUS) to the cloud (Salesforce).
- The existing building and project common objects already use this structure to supply REXUS data from BI staging to Salesforce.

Requirements:

This requirement is to perform all work necessary for Cast-Iron Integration with Salesforce for a Lease Common Object to support the Real Estate Tax project. This project is time sensitive as coordination between Salesforce, G2, Rexus and Cast-Iron/BI must be accomplished per government schedule; development of the Lease Common Object will be completed no later than 3 months after task order award.

Please reference attached
RET_LEASE_DATA.xlsx

The data architecture needed to create the source dataset to populate the Salesforce Lease Common Object is below:

1. The SQL attached would create one SF Lease Common Object. Further technical requirements may suggest splitting this into 2 or more common objects - however - seeing that the dataset is small with only 22,712 rows, having a denormalized data cube work well as one object. It would reduce the

complexity and LOE. I would defer to SF and CastIron technical teams to determine the final architecture.

2. The SQL has 2 additional business fields that could be useful (LOCATION_CODE - the unique identifier for a building and NAME - the name of the building)
3. The SQL has 4 additional system fields for testing purposes.
4. Fields included:
    - LOCATION_CODE - unique identifier for a building
    - NAME - name of the building
    - REGON_CD - region code
    - STREET_ADDRESS - street address 1
    - ADDRESS2 - address 2
    - CITY
    - STATE_CD - 2 letter state code
    - ZIP_CODE - zip
    - LEASE_NUM - unique identifier for a lease
    - EFFECTIVE_DT - lease effective date
    - EXPIRATIONI_DT - lease expiration date
    - BUSINESS_NAME - lessor of the building
    - BUILDING_ID - system generated primary key in the BLD_BUILDING table
    - LEASE_ID - foreign key from LSE_LEASE table
    - LEASE_LOCATION_ID - foreign key from LSE_LOCATION table
    - LSE_CONTACT_ID - primary key for LSE_EXTERNAL_CONTACTS table

Disclaimer:

The SQL has not been thoroughly tested to see if it fully meets the needs for the RET project. Please test.

Here is the SQL:

```
SELECT

      B.LOCATION_CODE

    , B.NAME BUILDING_NAME

    , B.REGION_CD REGION

    , B.STREET_ADDRESS ADDRESS1

    , B.ADDRESS2 ADDRESS2

    , B.CITY
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```
        , B.STATE_CD STATE

        , B.ZIP_CODE ZIP

        , L.LEASE_NUM LEASE_NUMBER

        , L.EFFECTIVE_DT LEASE_EFFECTIVE_DATE

        , L.EXPIRATION_DT LEASE_EXPIRATION_DATE

        , EC.BUSINESS_NAME LESSOR

 -- system generated PK and FK

        , B.BUILDING_ID PK_BUILDING_ID

        , L.LEASE_ID FK_LEASE_ID

        , LL.LEASE_LOCATION_ID FK_LEASE_LOCATONI_ID

        , EC.LSE_CONTACT_ID

FROM REXUS.BLD_BUILDING B

INNER JOIN REXUS.LSE_LOCATION LL ON LL.BUILDING_ID = B.BUILDING_ID

INNER JOIN REXUS.LSE_LEASE L ON L.LEASE_ID = LL.LEASE_ID

LEFT JOIN REXUS.LSE_EXTERNAL_CONTACTS EC ON EC.LEASE_ID =
L.LEASE_ID

        AND EC.ROLE_CD = 'LSR'

/
```

Note: There will be 4 fields added to REXUS planned as part of Release 5.5 and these fields will need to be part of this Common Object.

Deliverables:
Deliverables in accordance with original Contract and Task Order release documentation.

Period of Performance:
Date of award plus 3 months.

B. Deliverables and Payment Schedule
Deliverables are in accordance with original Contract and Task Orders. Monthly payments will be made.